

**Waiuku Pistol Club Inc.**  
Parkinson Lake Waiuku  
706 Whiriwhiri Road,  
Otaua, Waikato



## RANGE STANDING ORDERS

1. **Waiuku Pistol Club Inc.**
2. **Range Name: Parkinson Lake Range**
3. **Dated: 19<sup>th</sup> February 2024**

Range Standing Orders are written to ensure all **Club Members and users are aware** of the conditions that apply to these ranges.

**Safety MUST be your prime consideration when using the Waiuku Pistol Club Inc. Club Ranges.**

All persons not involved in the match being shot are to remain at least **1m** behind the shooting line or starting position and must remain quiet so as not to interfere with the giving of instructions by any Range Officers

### 4. INTRODUCTION:

- The Waiuku Pistol Club Inc. is sited, Parkinson Lake Waiuku, 706 Whiriwhiri Road, Otaua, Waikato.
- The Waiuku Pistol Club Inc. committee is the Shooting Range Operator of these ranges.
- Land owner is Waiuku Pistol Club.
- The ranges are situated within in an area with the Legal Description Lot 1 DP 403725 412396 706 Whiriwhiri Road.
- Ranges are certified as **Reduced Danger Area Ranges (RDA)**.
- These orders are applicable to **ALL PERSONS** who enter the property operated by the Waiuku Pistol Club Inc.
- These orders are to be promulgated to all Waiuku Pistol Club members and all other user organisations.
- A Copy of these orders are to be permanently displayed on the club notice board. The restrictions and conditions of use are to be displayed on each of the five ranges.
- Hours of operation are from 10am-4pm Wed- Sun excluding all Public Holidays.
- RANGE REGISTER; All users of the range complex must sign the Members Range Register.
- The signing of the range register acknowledges that the user has read, understood and accepted the Range Standing Orders and the specific Pistol Discipline rules or specified Rifle or Shotgun or Black Powder rules posted on each range.
- All members must sign in with their PNZ Membership and firearms licence number. Visitors must be recorded with their name, Firearms Licence or Driver licence number, date, time of arrival. (If a visitor has neither firearm or driver licence then a full address is required).
- Access and use of these ranges is for Waiuku Pistol Club Inc. Members, Associate Members and visitors under direct control of an Officer on Duty/Range Officer.
- All users are to read these standing orders.
- All pistol shooters must either hold a B endorsement on their firearms licence or be under the direct supervision of a holder of a firearms licence with a B endorsement.
- Firearms may only be handled at this range complex under the following circumstances.  
[a] In the designated and approved Safety Zone or designated loading & unloading tables.

[b] On the range under the supervision of a Range Officer or other approved match official.

[c] The use of firearms in the club rooms is only to take place under the following; For club training or on club authorised sale or display days. All firearms are to be cleared in a safety zone. No live ammunition is to be handled.

## **5. Responsibility.**

- The Shooting Range Operator is the Waiuku Pistol Club Inc.
- The Waiuku Pistol Club Inc. management is responsible for the administration, allocation, and ongoing maintenance of all ranges, and are also responsible for ensuring that all members are familiar with and abide by these RSOs.

## **6. Compliance with Range Standing Orders (RSOs).**

- All users of the range are subject to these RSOs.
- User organisations permitted use of these facilities will have their approval withdrawn if they do not adhere to these RSOs

## **7. Location:**

- The range complex is located at Topo 50 Map No **BC31 Port Waikato**.
- NZTM Reference: **E1749127 N5868720**
- **Address; 706 Whiriwhiri Road, Otua, Waikato.**

## **8. Approved Range Users and Priority of Use.**

- The following is the order of priority for the use of the Waiuku Pistol Club ranges and no other individual may use the range unless they are fully authorised members of one of the associations listed below.
  - [a] Waiuku Pistol Club Inc.
  - [b] Members of Pistol NZ (PNZ).
  - [c] Other users as approved by the Waiuku Pistol Club Inc. Club Committee.
- The range is not to be allocated for use by non-members or non-affiliated organisations without the express authority of the committee of the Waiuku Pistol Club Inc.

## **9. Warning Flags-Danger Signs.**

- Minimum flag size is 1200mm x 600mm.
- Range Danger Flags and warning signs are to be enabled at the following locations prior to commencement of any firing.
- Red flags and warning signs must be positioned at the following points and are to be hoisted prior to any live firing:

[a] Main Flag at Flag at club house: NZTM E1749063 N5868691.

[b] Flag and sign on top of stop butt of range 1; NZTM E1749043 N5868781.

[c] Board on access road to range complex NZTM E1749263 N5868741.

[d] Board at NZTM E1749033 N5868681 behind the hill stop butt.

- The warning flags must be lowered when the range is closed.

## **10. Description of individual ranges, restrictions and conditions of use**

- The complex has Five (5) ranges.
- Ranges are restricted to the firing of the following firearms:

### ➤ **Range 1: 100m Rifle, 50m Pistol. Outdoor Reduced Danger Area Range.**

#### **Restrictions: Range 1.**

- 1) Pistols up to and including .50 calibre with a muzzle velocity no greater than 1600fps.
- 2) Rifles of approved Pistol Calibre up to and including .45 Calibre with a muzzle velocity no greater than 2148fps.
- 3) Rifles up to and including 8mm with a muzzle energy no greater than 3800ft-lb.
- 4) Shotguns up to and including 12 gauge with a velocity no greater than 2000fps.
- 5) Black powder firearms up to and including .75 calibre with a muzzle velocity no greater than 2148fps.
- 6) Black powder miniature cannons up to and including 40mm with a velocity no greater than 500fps.
- 7) Black powder mortars up to and including 68mm with a velocity no greater than 500fps.

#### **Conditions of Use: Range 1.**

- Rifle Shooting is to be down range only from the 100-metre firing line.
- Pistol shooting is to take place from the 50-metre firing line forward.
- Low velocity firearms can be shot off to the right forward of the 50-metre firing point into side backstop out to 15-metres.
- Low velocity firearms can be shot into mobile bullet catchers forward of the 25-metre line, targets are to be fixed to the lower half of the bullet catcher only.
- Aerial clays are to be thrown down range only unless all other ranges are closed and cleared.
- **See Section 33: Black Powder Cannon and Mortar.**

### ➤ **Range 2: 100-Metre Rifle, 25 metre Pistol Outdoor Reduced Danger Area Range.**

#### **Restrictions: Range 2.**

- 1) Pistols up to and including .50 calibre with a muzzle velocity no greater than 1600fps.
- 2) Rifles of approved Pistol Calibre up to and including .45 Calibre with a muzzle velocity no greater than 2148fps.
- 3) Rifles up to and including 8mm with a muzzle energy no greater than 3800ft-lb.
- 4) Shotguns up to and including 12 gauge with a velocity no greater than 2000fps.
- 5) Black powder firearms up to and including .75 calibre with a muzzle velocity no greater than 2148fps.

#### **Conditions of Use: Range 2**

- Range 2 from the 100-metre is for down range shooting only.
- Pistol shooting is to be from the 25-metre firing line forward.
- .22 calibre Silhouette targets with shrouds are permitted to be used on the right-hand side of this range. They must be shot from the 100m firing line only.
- Low velocity firearms can be shot into mobile bullet catchers forward of the 25-metre line, targets are to be fixed to the lower half of the bullet catcher only.
- High velocity rifle is to be shot from the left-hand side of range. Sitting at the 100 metre benchrest firing point only.

➤ **Range 3: 50-Metre Outdoor Reduced Danger Area Range.**

**Restrictions: Range 3.**

- 1) Pistols up to and including .50 calibre with a muzzle velocity of no greater than 1600fps.
- 2) Rifles of approved Pistol Calibre up to and including .45 Calibre with a muzzle velocity no greater than 2148fps.
- 3) Shotguns up to and including 12 gauge with a velocity no greater than 2000fps.
- 4) Black powder firearms up to and including .75 calibre with a muzzle velocity no greater than 2148fps.

**Conditions of Use: Range 3.**

- Down range shooting only from the 50-metre firing line.
- From 25 metres Low velocity firearms can be shot into mobile bullet catchers forward of the 25-metre line, targets are to be fixed to the lower half of the bullet catcher only.

➤ **Range 4: 50-metre Outdoor Reduced Danger Area Range.**

**Restrictions: Range 4.**

- 1) Pistols up to and including .50 calibre with a muzzle velocity of no greater than 1600fps.
- 2) Rifles of approved Pistol Calibre up to and including .45 Calibre with a muzzle velocity no greater than 2148fps.
- 3) Rifles up to and including 8mm with a muzzle energy no greater than 3800ft-lb.
- 4) Shotguns up to and including 12 gauge with a velocity no greater than 2000fps.
- 5) Black powder firearms up to and including .75 calibre with a muzzle velocity no greater than 2148fps.

**Conditions of Use: Range 4.**

- Down range shooting only from the 50-metre firing line.
- High velocity rifle is to be shot down range only.
- From 25 metres Low velocity firearms can be shot into mobile bullet catchers forward of the 25-metre line, targets are to be fixed to the lower half of the bullet catcher only

➤ **Range 5. 25-metre Outdoor Reduced Danger Area Range.**

**Restrictions: Range 5.**

- 1) Pistols up to and including .50 calibre with a muzzle velocity of no greater than 1600fps.
- 2) Rifles of approved Pistol Calibre up to and including .45 Calibre with a muzzle velocity no greater than 2148fps.
- 3) Rifles up to and including 8mm with a muzzle energy no greater than 3800ft-lb.
- 4) Shotguns up to and including 12 gauge with a velocity no greater than 1400fps.
- 5) Black powder firearms up to and including .75 calibre with a muzzle velocity no greater than 2000fps.

**Conditions of Use: Range 5.**

- High velocity rifle is down range shooting from a supported position only.
- Low velocity firearms can be shot off to the left up to 9-metres from the bullet catcher and on the right on to approved Pistol NZ targets. Mobile bullet catchers must be used, targets are to be fixed to the lower half of the bullet catcher only.

## **11. Range safety roles.**

- An Officer on Duty/Range Officer. (RO) must be on duty whenever the range is in use.
- The RO shall be:
  - a. A person approved by the Waiuku Pistol club Inc. Committee, shall hold a firearms licence, and be appropriately trained in shooting range safety management.
  - b. Any other qualified safety officer may be appointed as required by match rules.

## **12. Range safety rules.**

- Safety of the range is the responsibility of all range users.
- The Range Officer is responsible for ensuring that the range is safe for use prior to the commencement of any shooting activity
- That the bullet catcher is in good repair.
- That only approved or authorised targets are used on the range.
- Ammunition restrictions are adhered to.
- That there is no person(s) or activity in the danger area.
- That hearing & eye protection is used by all range users and spectators.
- The safety rules for individual shooting disciplines are to be complied with in conjunction with these RSO. Where individual safety rules may contradict these RSO, the RSO are to take precedence. Club executives are to seek a satisfactory and safe resolution to eliminate this situation and where necessary amend RSO.

### **THE FOLLOWING SAFETY RULES ARE EMPHASISED.**

- When a Range is in use it shall at all times be under the control of an Officer on Duty/Range officer, whose authority is absolute and all persons on the Range shall act under his or her direction.
- The Officer on Duty/Range officer shall be responsible for the observance of these rules and for the reporting of any breach to the Club Committee without delay.
- Firearms are not to be handled unless under the control of an Officer on Duty/Range officer or in an approved and designated Safety Zone.
- No pistol shooting shall take place on the range except under the control of a range Officer holding the appropriate Range Officer qualification.
- Loaded firearms must be pointed down-range at all times.
- Do not leave firearms unattended at any time.
- Firearms that are not your own are not to be touched without owner's consent.
- Firearms are not to be loaded unless under the direct control of an Officer on Duty/Range officer.
- Firearms are not to be handled while people are forward of the firing line.
- Pistols are not to be placed loaded in a holster unless the shooter is holster qualified and then only under the direction of a qualified Officer on Duty/Range officer.
- No firearm may be removed from the firing point until it has been checked and verified by the Officer on Duty/Range officer as being clear.
- When using handguns all new members or members without a "B" endorsement on their firearms licence must be under the direct (one on one) supervision of a member with a "B" endorsement on their firearms licence.
- Pistols must be cased or holstered with rifles and Shotguns covered or with a chamber flag inserted, at all times when moving about the range, unless under the control of an Officer on Duty/Range officer except as part of an action match.

- Where a Safety zone has been declared, firearms may be cleaned, repaired or tested by cycling or dry firing ONLY in this zone. Ammunition or anything resembling ammunition including dummy or drill rounds is **NOT PERMITTED TO BE HANDLED in any Safety zone UNDER ANY CIRCUMSTANCES.**

### **13. New Ammunition Use.**

If a new type of ammunition is proposed for use on the range, it must be approved for use by the SRO if considered safe to do so. Before inclusion in the RSOs, the requirements of section 34 of these orders are to be adhered to.

#### **PROHIBITED AMMUNITION**

- The following ammunition must NOT be used on any range administered by the Waiuku Pistol Club Inc.
- Air pistols pellets containing steel / copper / tungsten inserts on steel targets.
- Steel shot on steel targets.

### **14. TARGETS / NEW TARGET SYSTEMS**

- **Standard target centre height is 1.5 metres** off the floor of the range.
- All soft targets set up range from the bullet catcher are to be set at a height so that fired rounds are captured by the centre of the bullet catcher for the shooting position being used. **The maximum distance** a target is to be from the bullet catcher is **50-metres**.
- **Any hard target** which needs to be placed forward of the backstop may need to be provided with an approved system to capture ricochets and or splatter.
- Targets are not to be placed above the line of sight from the standing position on the designated firing point nor should they be placed to cause divergent ricochets.
- All firing is to be directed towards the backstop. Only designated side backstops forward of the firing line may be used as backstops.
- **Use of mobile bullet catchers:** Where used; targets are to be fixed to the lower half of the bullet catcher only and shot out to a maximum distance of 10-metres. Where mobile bullet catchers are used against side backstops, they must cover more than the cone of fire for the distance being shot.
- **Shooting into the ground:** Where a target is placed close to the floor of the range and the rounds are likely to impact the floor of the range, sandbags are to be used to capture the rounds.
- **Aerial clay targets** may be used on range 1.
- **Aerial clays:** Throwers can only be used from in front of the 100-metre firing line on range one with 7 1/2 to 9oz loads only. Targets are to be thrown down range only unless all other ranges are closed and cleared. Sentries must be placed at the west boundary on the road and at the east end of the road by the club house.
- Only targets approved by the Club committee, Pistol NZ and a NZ Police are permitted to be used on club ranges.
- The Officer on Duty/Range Officer officiating ensures that the target system is set so that no projectiles can escape the approved range template or the approved cone of fire for the target or targets.

#### **IMPORTANT NOTE:**

- All range users are to ensure that in the interests of safety targets are placed as close as possible to the approved backstop in an effort to reduce the possibility of ricochets.

## **15. Steel Plate Targets**

- ONLY Approved steel plate targets may be used on the Waiuku Pistol Club Ranges.
- The minimum grade is Bisloy grade 450 or higher. (Refer to PNZ Steel Target Safe Use Guide).
- All steel targets to be approved by the Officer on Duty/Range Officer Prior to use.
- All non-reactive steel plate targets to be set at a forward sloping angle of 15 Deg from the vertical to reduce the possibility of ricochets.
- Steel targets are to be placed as close as practical to the backstop.
- Any **upright** steel target that needs to be placed forward of the backstop will need to be provided with an approved system to capture all ricochets and or splatter.
- Shrouds may need to be used where steel targets are placed more than 1 metre from the backstop/bullet catcher.

## **16. Moving Targets if applicable**

- Moving targets are approved for use on range 1 and 5, the left and right arcs are to be indicated by brightly painted posts. Firing outside of these arcs is strictly prohibited.

## **17. Minimum safe engagement distances**

- The MINIMUM distance permitted for engaging a steel target is as list in competition rules and the PNZ Steel target safe use guide:
  - 7 metres IPSC Handgun.
  - 7 metres IPSC Pistol Carbine/IPSC Mini Rifle.
  - 50 metres IPSC Rifle.
  - 8 metres IPSC Shotgun (Birdshot & Buckshot)
  - 50 metres IPSC Shotgun (Lead solids slugs).
  - 5 metres CAS Pistol.
  - 7 metres CAS Shotgun.
  - 13 metres CAS Rifle.
  - 10 metres NRA pistol.
- Under no circumstances are shotguns using steel shot to be used on steel plate targets.
- Ground splashback distance for pistol. 5 metres.
- Ground splashback distance for high velocity rifle 15 metres.

## **18. Eye and Hearing Protection**

- All members and visitors to the club are to wear eye and hearing protection at all times while shooting is taking place with the exception of within the clubhouse and carpark.

## **19. Medical**

- First Aid facilities are available in the club rooms.
- The nearest medical facility is Franklin Memorial Hospital  
72 Kitchener Road, Waiuku 2123. Ph 092359284  
Waiuku Health Centre 26-30 Constable Road, Waiuku 2123. Phone 092359102.
- In a Medical Emergency Dial 111 and ask for Ambulance Assistance.
- **Address: Waiuku Pistol Club**, Parkinson Lake Waiuku, 706 Whiriwhiri Road, Otaua, Waikato.
- Should this be necessary, ensure that a club member is at the road entrance to meet the Ambulance and direct them down to the site. Ensure that any cars parked blocking the entrance are moved.

## **20. Accident/incident procedure**

- **Accidents not involving a Firearm: The following procedure is to occur:**
  - Cease Firing
  - Ensure the scene/situation is safe for all participants.
  - Render immediate first aid and assess the need for evacuation of the casualty to the nearest medical facility or onsite recovery by emergency services.
  - Notify the club President.
- **Accidents caused by a firearm;**
  - Cease Firing.
  - Ensure the scene/situation is safe for all participants.
  - Render immediate first aid and assess the need for evacuation of the casualty to the nearest medical facility or onsite recovery by emergency services.
  - Make no attempt to remove or strip the firearm
  - Notify the Police.
  - Advise the Club President or Secretary.
  - Advise Executive Officer Pistol New Zealand.

**NOTE:** It is important that all users are aware of sect-20 Accident procedures and fully comply with this procedure in the case of any accident involving a firearm. The accident/incident register is to be filled in recording all details, date and time of accident/incident.

## **21. Fire Precautions and Procedures:**

- Fires are not permitted on the Waiuku Pistol Club complex during the fire season.
- All precautions are to be taken to reduce the possibility of fire in buildings and the surrounding grounds.
- In the case of fire Dial 111 and ask for Fire Brigade Assistance.
- **Address; Waiuku Pistol Club**, Parkinson Lake Waiuku, 706 Whiriwhiri Road, Otaua, Waikato.
- Should this be necessary, ensure that a club member is at the road entrance to meet the Fire engine and direct them to the site Ensure that any cars parked blocking the entrance are moved.

## 22. Range clearance

- All users are to ensure that all range rubbish, including used targets, ammunition boxes, fired cases and shotgun wads etc., are removed from the range and disposed of in an appropriate manner.
- All unwanted brass cases are to be placed into the bins provided.
- Rubbish is not to be left on the range as it may easily become a fire hazard.

## 23. Unauthorised access and/or use of the range

- Any Individual or organisation given use of the Range Complex will have been provided with written authority from the Club.
- Any individual or Organisation unable to provide this approval as proof of authority must be asked to leave the property immediately.
- Any refusal to leave should be reported to the Police as soon as possible.
- When a range is in use for live firing, it is the responsibility of all persons on the range that if any people, animals, vehicles, or aircraft are seen to enter or are about to enter the active range area and the RO has not identified the intrusion, they are required to shout 'STOP', and all shooting is to stop immediately. Only when the intrusion is clear may live firing resume under the instruction of the RO.

## 24. Cone of Fire Pistol / Rifle

The range design cone of fire for these ranges are;

**Pistol 23mils (1.3 degrees)**

**Rifle 20mils (1.125 degrees)**

**Rifle Supported 10mils (0.56 degrees)**

<b>CONE OF FIRE: Handgun &amp; IPSC Shotgun: 1.3 deg. (23 mils) (Horizontal and Vertical)</b>		
<b>Distance (Metres)</b>	<b>Radius (Metres)</b>	<b>Diameter (Metres)</b>
15	0.34	0.68
25	0.56	1.13
50	1.13	2.26
100	2.268	4.536

<b>CONE OF FIRE: Rifle Up to 8mm: 1.125 deg. 20 mils (Horizontal and Vertical)- STANDING</b>		
<b>Distance (Metres)</b>	<b>Radius (Metres)</b>	<b>Diameter (Metres)</b>
25	0.491	0.981
50	0.981	1.963
100	1.963	3.926
200	3.926	7.851

<b>CONE OF FIRE: Rifle Up to 8mm: 0.84 deg. 15 mils (Horizontal and Vertical)- Sitting/Kneeling</b>		
<b>Distance (Metres)</b>	<b>Radius (Metres)</b>	<b>Diameter (Metres)</b>
25	0.371	0.741
50	0.741	1.483
100	1.483	2.966
200	2.966	5.932

<b>CONE OF FIRE: Rifle Up to 8mm:.056 deg. 10 mils (Horizontal and Vertical)- (Supported) Prone/Benchrest/Sling</b>		
<b>Distance (Metres)</b>	<b>Radius (Metres)</b>	<b>Diameter (Metres)</b>
25	0.249	0.497
50	0.497	0.994
100	0.994	1.989
200	1.989	3.977

**NOTE: The officer on duty must be satisfied that a shooter has demonstrated their ability to achieve the approved cone of fire. (This may be from competition results or sighting in).**

## **25. Inability of the Shooter to Achieve the Coff.**

- If for any reason any shots fired fall outside the Cone of Fire the following procedure is to occur.
- The Officer on Duty/Range Officer is to:
- Halt all firing and identify the shooter responsible.
- Observe that shooters next shot and if it falls within the Cone of Fire allow that shooter to continue shooting.
- If the observed shot does not fall within the Cone of Fire, the shooter is to be provided with a suitable coach with the intention of bringing the next round within the Cone of Fire.
- Shooters who are unable to achieve the Cone of Fire are to be prevented from further firing. Shooters prevented from firing in this way may resume firing following the completion of a club approved training program with the firearm.

## **26. Unlicenced or Inexperienced Shooters**

- Unlicenced/inexperienced shooters must be managed one to one by a member.
- They are to be shown the safety aspects of using a firearm initially with an unloaded firearm.
- All pistol shooters must either hold a B endorsement on their firearms licence or be under the direct supervision of a holder of a firearms licence with a B endorsement.
- All non-firearms licence holders must be under the direct supervision of the holder of a firearms licence.
- The Officer on Duty/Range Officer is to determine the level of supervision required.

## **27. Test Firing**

- Test firing of new firearms types or new ammunition types, can only be done with the approval of the committee of the Waiuku Pistol Club Inc. and conducted under the direction of a RO.
- A target must be used to ensure that so that all shots fall within the confines of the bullet catcher.

## **28. Air danger height (ADH)**

- The ranges are approved as Reduced Danger Area Range (RDA). As such the air danger height of 150 metres exists.
- All members and range users must be made aware that if an aircraft is seen to be approaching the club in a manner that may see them fly over the club property at a low level whilst live firing is in progress, the Officer on Duty/Range Officer must immediately call for a stop to all shooting until the aircraft clears the area.

## **29. Range maintenance plan**

- The club is required to have a maintenance plan and schedule of work to be done.
- The Bullet catchers are to be kept above the minimum angle.
- All unused targets and props are to be taken off the range when not in use.
- Steel targets that are pitted are to be removed from the range.
- Any range structure that falls below the minimum standard must be repaired immediately or the range must be closed until repaired.

## **30. Children (minors)**

- All children are to be under the direct supervision of an adult at all times.
- All people under the age of 16 (sixteen) years are to be under the direct supervision of an adult older than 18 (eighteen) years at all times.

## **31. Health and hygiene**

- The club has toilet and washroom facilities, Users are to ensure these facilities are kept clean & tidy. Notify the committee if there is any issue or fault with this facility.
- Club members and users of the range are highly recommended to wash their hands after shooting, handling ammunition.
- Anyone who gets sick or ill from attending a club activity is requested to notify the secretary or President.
- Any allergies, or health concerns members may have, you are invited to share this information with the club or your shooting discipline, so that you may have the most appropriate support if needed.
- Sun protection should be used on hot summer days.
- Avoid dehydration.

## **32. Domestic animals**

- Domestic animals only permitted on the range with the approval of the Officer on Duty/range officer and are not permitted to roam free. Dogs must remain on a leash at all times.

## **33. Black Powder Cannon and Mortar;**

### **Note: The use of cannons and mortars on range 1**

**Cannons:** Are restricted to a maximum velocity of 500fps.

Maximum calibre is 40mm with a maximum projectile weight of 1kg.

The maximum barrel elevation for the sighting round is to be:

**Range 1 is 10 degrees.**

(The maximum elevation setting (angle of fire) on a cannon is to ensure it will impact into the bullet catcher).

Cannon balls/projectiles must be recovered and accounted for at the completion of firing, and the impact area refurbished in accordance with range maintenance standards as required.

**Mortars:** Are restricted to a maximum velocity of 500fps.

Maximum calibre of 68mm with a maximum projectile weight of 1.2kg.

The first sighting shot is to be between 70 to 80 degrees. (This is to ensure that the fired round is captured within the danger area between the bullet catcher and firing line).  
Mortar rounds must be recovered and accounted for at the completion of firing, and the impact area refurbished in accordance with range maintenance standards as required.

### **34. Amendment to RSOs**

Proposals to amend the RSOs are to be forwarded to the SRO. The SRO is to consider the amendment and accept or decline the proposal. If declined, the SRO is to advise the originator accordingly. If accepted, the SRO is to submit the proposal to the Clubs and Ranges Team at Te Tari Pūreke - Firearms Safety Authority. The Clubs and Ranges Team will review the proposal, consult with the SRO where necessary, and either approve or disapprove the amendment. If approved, the SRO can then include the amendment in the RSOs with a new effective date, provide a copy to the Clubs and Ranges Team, and distribute accordingly. All previous copies of the RSOs are no longer valid.

### **35. Authorisation Date of RSOs**

- The Waiuku Pistol Club Inc. have authorised these RSOs.

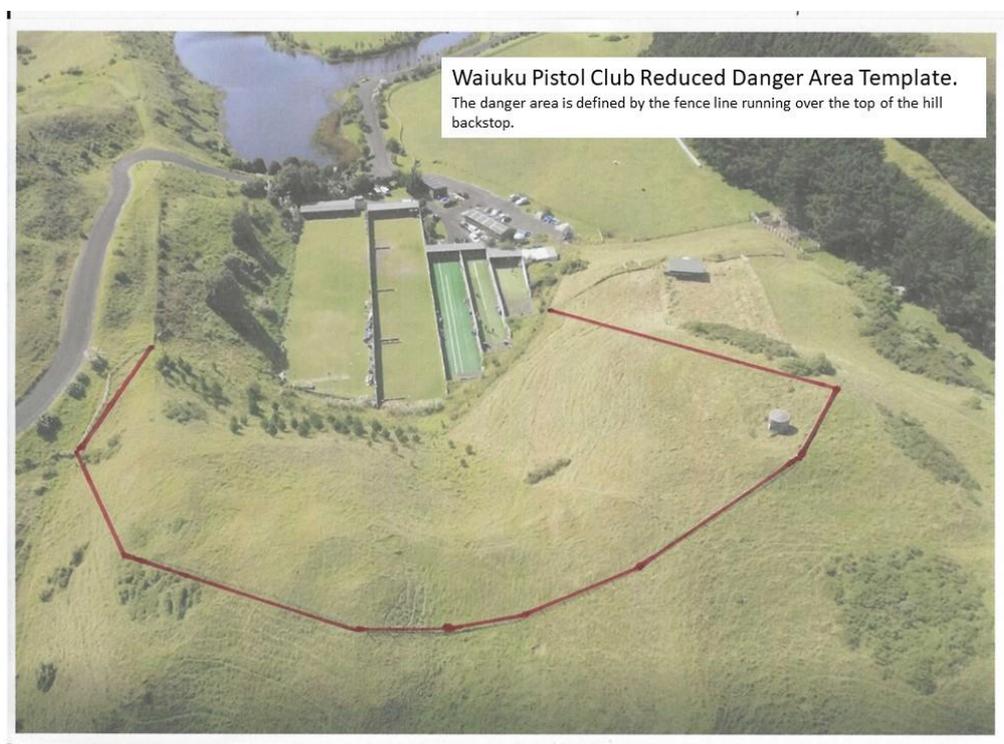
### **36. Distribution list**

- All Waiuku Pistol Club Inc. Members.
- Posted on the Waiuku Pistol Club Inc. Notice Board.
- Pistol New Zealand.

## Range Location & Layout



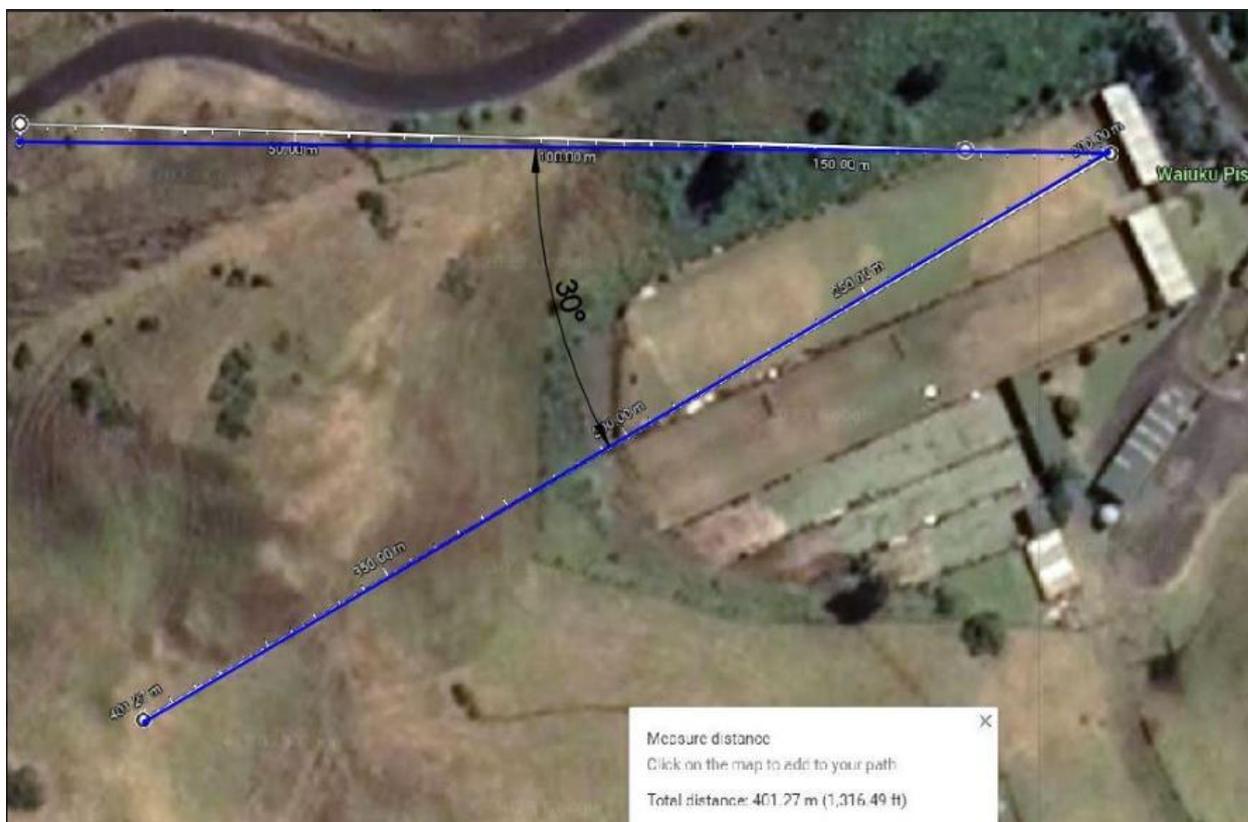
## Reduced Danger Area Template: Not to scale:



**Shotgun template 1 for range 1. With all other ranges closed & cleared.**



**Shotgun template 2 for range 1. With other ranges in use.**



## TEMPLATES TABLE OF EQUIVALENCIES

Template Group	Templates	Included Calibres	
8mm	<b>T6</b>	.308 Winchester	6.5x61 Mauser
		.30-06 Springfield	7x57 Mauser
		7mm-08 Remington	7x57R Mauser
		6.5x55 Swedish Mauser	6.5x50 Arisaka
		6.5x54 Mannlicher-Schoenauer	6.5x52 Mannlicher-Carcano
		6.5x57 Mauser	6.5x53R Mannlicher
		6.5x57R Mauser	.250 Savage
		6.5x58R Sauer	.257 Roberts
		6.5x58 Portuguese-vergueiro	.307 Winchester
		6.5x58R Krag-Jorgensen	.303 British
		8mm Mauser (8x57 JS)	.350 Remington Magnum
		.270 Winchester	.300 Savage
		7.92 Mauser	
		.358 Winchester	.75 Calibre Muzzle Loader (Cast Bullet)

5.56mm	<b>T5</b>	233 Remington over 55g up to 69g	
5.56mm	<b>T4</b>	.223 Remington 55g	7.62x39 Russian
		.22 Hornet	30-30 Winchester
		.220 Swift	.222 Remington
		.22-250 Remington	.25-20 WCF
		.223 Remington Magnum	.25-35 Winchester
		.30 Remington	.256 Winchester Magnum
		.303 Savage	.50-90 Sharps
		.32 Winchester Special	.32-20 Winchester
		.35 Remington	.44-40 Winchester
		.38-55 Winchester	.444 Marlin
		.38-40 Winchester	.44 ball
		.30M1 Carbine	.375 Winchester
		.348 Winchester	45-70 US Government (Lead Bullet)
		.351 Winchester	.458 Winchester
		.356 Winchester	.30-40 Krag
		.25 Remington	50/70 (Lead Bullet)
		56 Spencer (Lead Bullet)	

.357 Magnum	<b>T3</b>	.357 Magnum	
9mm Parabellum	<b>T2</b>	9mm Parabellum	.65 Calibre Muzzle Loader (Cast Bullet)
		.44 magnum	38 Special
		.45 ACP	
		7.65 Parabellum	

<b>Template Group</b>	<b>Templates</b>	<b>Included Calibres</b>	
.22LR HV	<b>T1</b>	.22 Long Rifle HV	9mm Browning Short
		.22 Long Rifle Std Velocity	.25 ACP
		.22 long	.32 ACP
		.22 Short	
		.58 Calibre Muzzle Loader Ball	
		.54 Calibre Muzzle Loader Ball	
		.44 Calibre Muzzle Loader Ball	
		.45 Calibre Muzzle Loader Ball	
		.40 Calibre Muzzle Loader Ball	
		.36 Calibre Muzzle Loader Ball	
		.32 Calibre Muzzle Loader Ball	